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MONTANA OIL AND GAS STATISTICAL BULLETIN

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BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG
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Vol. XXVI, No. 8 **August, 1977**

59620

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of August, 1977, averaged 19,544 barrels daily, an increase of 3,352 barrels from the average 88,192 production in July.

The six refineries in the state processed 143,006 barrels of crude oil daily for the month of August, a decrease of 4,804 barrels from the 147,810 barrels processed daily during the month of July

During August, 51 wells were completed, 4 oil, 21 gas, and 26 dry holes

During August, the Board issued 62 permits to drill new wells, a decrease of 1 from the 63 permits issued during July

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF AUGUST, 1977

IN STORAGE AUGUST 1st	
By Producers	316,806
By Transporters	1,262,999
By Refiners	1,200,420
TOTAL STORAGE	2,780,225
Produced in Montana During Month	2,837,874
Imported During Month	3,633,025
TOTAL	9,251,124
DISPOSITION	
Refined in Montana	4,433,208
Exported	2,143,780
Used for Fuel or Lost	7,420
TOTAL	6,584,408
IN STORAGE AUGUST 31st	
By Producers	312,307
By Transportation	1,236,076
By Refiners	1,118,333
TOTAL STORAGE	2,666,716

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA

At 15.025 lbs. and 60° F.

Month of August, 1977

Field	M.C. Ft.
NATURAL:	
Alma	—0—
Bear's Den	—0—
Big Coulee	54,489
Black Coulee	4,287
Blackjack	—0—
Big Rock	160,660
Bowdoin	447,491
Bowes	283,390
Brown's Coulee	257
Bullwacker & Area	113,500
Canadian Coulee	14,871
Cedar Creek	155,252
Chip Creek	2,214
Coal Coulee	4,159
Conrad-Butte	12,360
Cut Bank (including Reagan)	272,938
Dry Creek	52,531
Ethridge	5,869
Flat Coulee	315
Fred & George	—0—
Fresno	7,491
Gold Butte	—0—
Grandview	—0—
Hardin	3,803
Haystack	39,479
Keith Block	96,802
Kevin Sunburst	17,011
Kevin Sunburst Nisku	20,294
Kicking Horse	19,024
Kinyon Coulee Area	2,940
Lake Basin	18,001
Liscom Creek	26,808
Middle Butte	309
Middle Dry Creek	3,822
Mt. Lilly	—0—
North Clark Fork	869
Plevna	4,206
Prairie Dell	49,728
Pumpkin Creek	22,145
Rapelje	27,462
Rocky Boy Area	18,810
Sage Creek	—0—
Sawtooth Mountain & Area	147,855
Sherard	75,195
Strawberry Creek Area	—0—
Snoose Coulee	20,117
South Devon	6,991
South Shelby	38,087
Swanson Creek	5,408
Tiger Ridge	954,147
Trail Creek	—0—
Utopia	—0—
West Butte	—0—
Whitlash	44,082
Willow Ridge	13,309
ASSOCIATED.	
Bell Creek	14,438
Big Muddy	13,500
Cabin Creek	45,722
Elk Basin	9,125
Fairview	49,788
Four Mile Creek	7,781
Glendive	—0—
Middle Sioux Pass	8,459
Otis Creek	5,005
Pine	39,180
Richland	53,596
Sioux Pass	21,025
Sioux Pass North	6,830
South Clark Fork	3,126
Sumatra	29,596
Tule Creek	8,750
Wildcat, Richland County	6,652
TOTAL	3,591,351

Total withdrawals for August, 1976 were 3,227,169 MCF

*Montana Oil Only

PRODUCERS' REPORT—MONTH OF AUGUST, 1977

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Arch Apex	4	1,354	838	519	352	—	1,321
1	Ash Creek	2	374	722	—	718	—	378
1	Bainville	1	2,919	506	—	1,484	—	1,941
2	Bennatyne	2	607	443	443	—	—	607
4	Bears Den	5	1,637	758	—	916	—	1,479
15	Bell Creek	162	12,293	767,712	764,676	—	2,188	13,141
1	Benrud	2	138	107	—	—	—	245
3	Benrud East	3	1,593	6,017	443	5,973	—	1,194
1	Benrud Northeast	1	409	1,324	—	1,291	—	442
1	Berthelote	1	520	58	—	403	—	175
3	Big Gully	3	781	4,452	—	4,604	65	564
3	Big Muddy Creek	3	1,883	10,404	—	10,114	—	2,173
5	Big Wall	15	790	6,882	6,183	—	—	1,489
1	Bleckfoot	6	215	1,520	1,205	—	—	530
1	Blue Hill	1	647	5,533	—	5,449	—	731
6	Border	11	1,361	1,458	—	1,437	—	1,382
—	Boulder	—	393	—	—	—	—	393
1	Bowes	56	2,890	13,284	—	12,543	—	3,631
1	Bradley	1	146	520	—	410	—	256
2	Breed Creek	5	1,564	16,706	—	16,504	—	1,766
5	Brorson-Madison	5	3,163	2,360	—	2,201	—	3,322
3	Brorson-Red River	3	4,513	5,146	—	5,384	—	4,275
3	Brorson-Red River S.	3	1,642	5,131	—	5,300	—	1,473
5	Brush Lake	5	1,288	9,805	9,398	—	—	1,695
1	Burns Creek	1	491	735	—	780	—	446
2	Cabin Creek	85	—	146,563	146,563	—	—	—
1	Canal	1	1,029	1,407	—	1,739	—	697
10	Cat Creek	58	2,140	9,181	9,161	—	—	2,160
2	Charlie Creek	2	1,481	13,090	—	12,323	—	2,248
—	Clarks Fork	—	37	—	—	—	—	37
1	Clarks Fork North	1	398	366	—	450	54	260
1	Clarks Fork South	1	1,216	334	—	597	—	953
1	Clear Lake	1	—	7,035	—	6,605	—	430
—	Conrad South	—	190	—	—	—	—	190
1	Cow Creek	1	367	258	—	239	—	386
8	Cowcreek East	10	3,632	19,986	—	19,413	—	4,205
1	Culbertson	1	294	572	—	417	—	449
7	Cupton	10	4,262	9,500	—	9,656	—	4,106
94	Cut Bank	855	33,030	180,179	146,633	32,602	292	33,682
1	Degmer	2	660	6,422	—	6,217	—	865
1	Dean Dome	1	702	635	—	728	—	609
1	Deer Creek	1	204	1,068	884	—	—	388
1	Delphia	1	232	10	—	189	—	53
1	Devils Basin	1	294	207	—	207	—	294
5	Dry Creek	5	951	3,610	—	3,912	11	638
2	Dwyer	10	3,425	15,068	14,752	—	—	3,741
3	Elk Basin	47	609	89,144	89,199	—	—	554
4	Elk Basin Northwest	6	1,395	1,500	966	407	—	1,522
5	Fairview	9	8,739	28,041	29,267	—	—	7,513
2	Fertile Prairie	2	865	1,378	—	1,583	—	660
4	Flat Coulee	20	1,911	10,745	10,779	218	—	1,659
7	Flat Lake	49	2,113	50,120	50,140	—	—	2,093
4	Flat Lake South	4	1,617	3,351	4,035	—	—	933
1	Fort Gilbert	1	682	1,420	1,278	—	—	824
1	Four Mile Creek	1	179	7,623	4,232	—	—	3,570
1	Four Mile Creek West	1	624	2,343	2,192	—	—	775
1	Frannie	1	—	837	—	837	—	—
13	Fred & George Creek	37	3,789	40,100	37,330	2,713	—	3,846
1	Frold South	1	702	720	—	850	—	572
1	Gage	1	22	71	—	—	—	93
3	Gas City	15	6,602	11,456	9,128	4,193	—	4,737
1	Girard	1	1,190	615	—	841	—	964
12	Glendive	16	1,735	21,020	7,653	13,071	—	2,031
—	Golden Dome	—	350	—	—	—	—	350
12	Goose Lake	19	3,149	16,788	17,073	—	—	2,864
12	Greben Coulee	36	3,629	4,282	1,965	1,469	484	3,993
1	Grandview East	1	260	244	—	422	—	82
4	Gumbo Ridge	6	614	4,338	—	4,088	—	864
—	Gypsy Basin	—	600	—	—	—	—	600
1	Hay Creek-Mission	1	857	824	701	—	—	980
2	Hay Creek-Red River	2	1,628	2,919	3,113	—	—	1,434
4	Hiawatha	4	2,803	4,315	5,224	—	32	1,862
1	Hibbard	1	510	341	—	222	—	629
7	High Five	12	1,807	11,140	10,231	—	40	2,676
—	Highview	—	25	—	—	—	—	25
1	Horse Creek	1	603	139	—	205	—	537
2	Howard Coulee	2	551	2,867	—	2,610	—	808
5	Ivanhoe	10	1,251	2,293	2,168	—	—	1,376
2	Jim Coulee	17	2,547	26,257	25,999	—	—	2,805
5	Keg Coulee	18	3,029	8,419	8,128	—	252	3,068
2	Keg Coulee North	2	1,148	979	1,414	—	—	713
1	Kelley	3	417	2,418	2,306	—	—	529
97	Kevin Sunburst	548	12,853	32,576	2,847	28,787	25	13,770
1	Laird Creek	10	773	1,721	1,518	—	—	976
1	Landslide Butte	1	221	168	—	—	—	389
2	Leary	2	2,149	3,153	—	3,666	143	1,493
2	Little Beaver	23	210	36,786	36,740	—	—	256
3	Little Beaver East	10	1,116	14,362	10,829	2,688	—	1,961
12	Little Well Creek	13	4,578	18,655	18,792	—	—	4,441
1	Lodge Grass	1	635	761	—	1,117	—	279
2	Lone Butte	2	1,286	3,916	—	4,157	—	1,045
6	Lonetree Creek	6	3,234	12,204	—	11,688	—	3,750
1	Long Creek	1	376	592	655	—	—	313
—	Long Creek West	—	366	—	—	—	—	366
3	Lookout Butte (Corel Creek)	30	840	51,784	51,624	—	—	1,000
2	Mason Lake	2	263	244	324	—	—	183
4	Melstone	8	751	14,270	13,722	—	—	1,299
1	Mineral Bench	1	50	764	—	764	—	50
1	Miners Coulee	1	395	199	454	—	—	140
6	Mon Dak West	6	1,786	13,788	—	11,749	—	3,825
10	Monarch	15	2,706	12,328	8,721	2,897	—	3,416
3	Mosser	8	—	543	—	543	—	—
1	Nohly	2	1,017	7,557	—	7,459	—	1,115
1	North Fork	2	779	4,189	—	4,537	—	431
4	Otis Creek	4	2,026	7,535	—	7,018	—	2,543
6	Outlook	8	2,304	12,789	12,616	—	—	2,477
1	Outlook South	1	728	21	546	—	—	203
2	Outlook West	2	1,674	668	1,938	—	—	404
1	Pennel	120	1,194	253,970	254,140	—	—	1,024
3	Pine	100	12,752	187,955	187,766	—	—	12,941
66	Pondera	300	6,083	25,601	17,937	7,458	37	6,252
6	Poplar	59	7,478	39,381	39,407	1,277	—	6,175
10	Popler Northwest	14	2,851	17,671	17,954	412	—	2,156
1	Prairie Elk	1	362	499	—	556	8	297
2	Pricherd Creek	5	486	775	—	886	—	375
1	Putnam	2	395	3,797	—	3,577	—	615
2	Rabbit Hills	2	2,217	4,961	—	5,348	—	1,830
10	Ragged Point	23	4,346	7,751	8,146	—	18	3,933
2	Rattler Butte	2	620	1,569	—	1,631	—	558
2	Rattlesneke Coulee	2	606	248	—	233	—	621
2	Raymond	5	2,728	21,184	22,194	—	—	1,718
1	Raymond Northeast	1	796	1,208	884	—	—	1,120
3	Reegon	49	792	14,951	15,056	—	—	687
1	Red Creek	19	—	8,766	8,766	—	—	—
1	Red Fox	1	285	224	—	213	—	296
1	Redstone	1	344	894	—	907	—	331
1	Repeat	1	660	872	—	683	—	849
3	Reserve	3	2,551	1,070	1,255	—	—	2,366
2	Richey	2	680	1,019	—	863	—	836
1	Richey Southwest	4	1,161	462	—	1,010	—	613
2	Rip Rap Coulee	2	1,226	1,716	—	2,144	—	798
4	Rosebud	4	2,008	2,912	3,459	—	—	1,461
1	Rush Mountain	1	465	2,157	—	2,199	—	423
2	Salt Lake	3	649	2,129	—	2,239	—	539
1	Sand Creek	4	727	2,510	2,510	321	4	402
4	Second Creek	4	1,353	22,082	—	22,473	—	962
2	Sheepherder	3	235	630	174	—	1	690
4	Sidney	4	1,787	6,549	—	6,748	—	1,588
7	S Sioux Pass	7	5,576	22,666	—	24,703	—	3,539
1	Sioux Pass East	1	226	322	—	480	—	68
2	Sioux Pass Middle	2	1,453	10,941	—	11,455	—	939
6	Sioux Pass North	6	4,019	11,688	—	12,471	—	3,236
1	Snyder	3	396	493	—	377	—	512
8	Soap Creek	22	2,198	6,013	—	6,726	—	1,485
1	South Fork	1	571	692	—	563	—	700
1	Spring Lake	2	1,122	1,741	—	2,297	—	566
1	Stensvad	4	2,335	3,187	3,357	—	—	2,165
28	Sumatra	112	9,884	176,244	176,467	—	420	9,241
5	Tule Creek	5	2,868	13,587	9,240	4,595	—	2,620
2	Tule Creek East	2	490	725	—	—	—	1,215
2	Tule Creek South	3	743	1,305	—	1,320	—	728
3	Vaux	3	3,015	12,329	—	12,439	—	2,905
2	Vida	2	366	292	—	195	—	463
5	Voll	6	2,264	8,596	1,717	6,003	—	3,140
1	Wagon Box	1	193	113	—	—	—	306
1	Weed Creek	1	617	1,040	—	1,229	—	428
3	Weldon	3	1,388	1,993	2,213	—	—	1,168
1	West Butte	1	—	710	710	—	—	—
28	Whitlash	62	10,910	11,594	9,353	3,313	—	9,838
—	Whitlash West	—	284	—	—	—	—	284
2	Willow Creek North	2	355	740	503	—	—	592
1	Willow Ridge	1	—	395	—	395	—	—
3	Wills Creek South	3	—	3,447	3,447	—	—	—
3	Winnet Junction	6	789	3,650	—	3,619	—	820
2	Wolf Springs	2	844	1,076	—	1,248	—	672
—	Womans Pocket	—	271	—	—	—	—	271
2	Woodrow	2	463	926	1,157	—	—	232
2	Wright Creek	3	1,334	1,248	—	1,696	—	886
2	Wildcat, Liberty Co.	3	956	1,916	—	2,680	—	192
—	Wildcat, McCone Co.	—	52	—	—	—	—	52
1	Wildcat, Musselshell	1	210	194	217	—	—	187
5	Wildcat, Richland Co	5	1,290	12,144	—	10,948	—	2,486
1	Wildcat, Roosevelt Co	1	378	5	—	—	—	383
6	Wildcat, Toole Co	6	1,062	1,316	—	1,268	—	1,110
1	Wildcat, Wibeux Co.	1	224	501	—	409	—	316
794	TOTAL	3,428	316,806	2,837,874	2,374,736	463,563	4,074	312,307

PERCENTAGE OF CRUDE OIL REFINED

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			718					718	
BAINVILLE—Koch Oil Co.			1,484					1,484	
BEAR'S DEN—Phillips Petr.			916			916			
BELL CREEK—Pipeline	30,001	764,676					768,778		25,899
BIG GULLY—Western Crude & Husky Oil.			4,604			4,604			
BIG MUDDY—Koch Oil & Black Hills			10,114				10,114		
BIG WALL—Continental P/L Co.		6,183				6,183			
BLACKFOOT—Phillips Petr.		1,205				1,205			
BORDER—Permen & NMDA			1,437			1,437			
BOWES—Koch Oil Co.			12,543				12,543		
BREED CREEK—Black Hills Oil Marketers			16,504			16,504			
BRORSON-MADISON, BRORSON-RED RIVER, & BRORSON R.R. SOUTH—Koch Oil Co			11,586					11,586	
Western Crude Oil			1,299					1,299	
			12,885					12,885	
BRUSH LAKE—Portal Pipeline Co		9,398					9,398		
BURN'S CREEK—Western Crude Oil			780					780	
CABIN CREEK & OTHERS									
Butte Pipeline Co.	208,486	385,953	35,001	982,511			1,276,252	105,519	230,180
Shell Pipeline Co.	4,366	310,430		32,100	353			343,332	3,211
	212,852	696,383	35,001	1,014,611	353		1,276,252	448,851	233,391
CANAL—Koch Oil Co.			1,739					1,739	
CAT CREEK—Continental P/L Co.		9,161				9,161			
CHARLIE CREEK—Black Hills Oil Marketers			12,323					12,323	
CLARK FORK—Husky Oil			1,047				1,047		
COW CREEK & COW CREEK EAST—Western Crude Oil, Inc.			19,652					19,652	
CUT BANK—									
Permien Corp.			30,255					30,255	
Phillips Petroleum Co.	41,603	53,599	7,153	75,097	1,680	132,774		11,978	31,020
Texas Oil Co	31,151	13,572				6,410		16,133	22,180
Union Oil Co.	44,867	15,056		35,853	1,149	48,290		6,506	39,831
Western Oil Trans. Co.		27,440						27,440	
Western Oil Trans Co (Moulton)		13,776						13,776	
	117,621	123,443	37,408	110,950	2,829	187,474		106,088	93,031
DAGMAR—KOCH OIL CO.			6,217					6,217	
DEAN DOME—CENEX			728			728			
DRY CREEK—HUSKY OIL			3,912				3,912		
DEPHIA—Northwest Crude			189					189	
DWYER—Portal Pipeline Co		14,752					14,752		
ELK BASIN & ELK BASIN N W—									
Marathon Pipeline		90,165				43,676	46,489		
Permian Corp.			407			407			
		90,165	407			44,083	46,489		
FAIRVIEW—									
Fairview Pipeline Co.		16,801						16,801	
Koch Oil Co.		12,466						12,466	
		29,267						29,267	
FLAT COULEE—Phillips Petr		10,779	218			10,997			
FLAT LAKE & FLAT LAKE SO.— Portal Pipeline		54,175					54,175		
FORT GILBERT—Fairview Pipeline		1,278						1,278	
FOUR MILE CREEK—Western Crude		6,424						6,424	
FRANNIE—Interstate P/L Co			837			837			
FRED & GEORGE CREEK—Phillips Petr	16,103	37,330	2,286		(166)	38,184			17,701
GIRARD—Koch Oil Co.			841					841	
GAS CITY, GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—Koch Oil Co.			3,520					3,520	
Texas Pipeline Co.	8,748	21,332						25,327	4,753
Western Crude Oil			728					728	
	8,747	21,332	4,248					29,575	4,753
GOOSE LAKE—Portal Pipeline		17,073					17,073		
GUMBO RIDGE—Permian			4,088					4,088	
HAY CREEK—Koch Oil & Westco		3,814						3,814	
HIAWATHA—Continental Pipeline Co.		5,224				5,224			
HOWARD COULEE—Permian			2,610					2,610	
IVANHOE—Continental Pipeline		2,168				2,168			
JIM COULEE—Continental Pipeline Co		25,999				25,999			
KEG COULE & KEG COULE NO— Continental Pipeline Co.		9,542				9,542			
KELLEY—Continental Prpeline Co.		2,306				2,306			
KEVIN SUNBURST—									
Big West Oil Co.	3,614	33,514				29,247		4,267	3,614
Homestake Oil & Gas Co.	1,896	4,930				5,172			1,654
Texas Pipeline Co.	18,467	8,031		50,316		52,776		8,764	15,274
Nothern Mont. Oil Service	1,328		29,612			29,984			956
	25,305	46,475	29,612	50,316		117,179		13,031	21,498
LAIRD CREEK—Phillips Petr. Co.		1,518				1,518			
LEARY—Western Crude			3,666					3,666	
LODGE GRASS—Permian			1,117					1,117	
LONE TREE CREEK—Koch Oil Co			11,688					11,688	
MASON LAKE—Continental Pipeline Co.		324				324			
MELSTONE—Continental Pipeline Co.		13,722				13,722			
MIDDLE WALL—Continental Pipeline Co		19,295				19,295			
MINERAL BENCH—Western Crude			764					764	
MON DAK WEST—Western Crude			11,749			3,748		8,001	
MOSSER—Permian Corp			543			543			
NOHLY—Koch Oil Co.			7,459					7,459	
NORTH FORK—Koch Oil Co			4,537					4,537	
OTIS CREEK—Western Crude			7,018		2	4,657	2,359		
OUTLOOK, OUTLOOK SO. & OUTLOOK WEST—Portal Pipeline Co		15,100					15,100		
PONDERA—Phillips Petr	33,886	18,345	7,458		2,267	33,659			23,763
POPLAR AREA—East Poplar Gather [3]	12,584	69,049			(422)		67,061		14,994
PRAIRIE ELK—Western Crude			556					556	
PUTNAM—Western Crude			3,577					3,577	
RABBIT HILLS—Koch Oil Co.			5,348				5,348		
RAGGED POINT—Continental Pipeline Co.		8,146				8,146			
RATTLER BUTTE—Continental Oil			1,631			1,631			
RAYMOND—Portal Pipeline		23,078					23,078		
RED CREEK—Western Oil Trans.		8,766						8,766	
REDSTONE—Koch Oil Co.			907					907	
RESERVE—Portal Pipeline		1,255					1,255		
RIP RAP COULEE—Koch Oil Co			2,144				2,144		
ROSEBUD—Continental Pipeline Co		3,459				3,459			
RUSH MOUNTAIN—Koch Oil			2,199					2,199	
SALT LAKE—Koch Oil Co.			2,239					2,239	
SECOND CREEK—Koch Oil & Westco			22,473			5,194		17,279	
SHEEPHERDER—Continental P/L Co		174				174			
SIDNEY—Western Crude			6,748			2,959		3,789	
SIOUX PASS—Western Crude & Koch Oil			49,109			21,378		27,731	
SNYDER—Permian			377					377	
SOAP CREEK—Permian			6,726					6,726	
SOUTH FORK—Koch Oil Co			563					563	
SPRING LAKE—Koch Oil Co.			2,297					2,297	
SUMATRA, STENSVAD & HIGH FIVE—Continental Pipeline Co.	798,861	190,055		727,255	(1,414)	175,051		754,581	787,953
TULE CREEK, BENRUD, VOLT & OTHERS—Kenco Refiners & Western Crude	7,038		36,473		(103)	30,521			13,093
VAUX—Western Crude & Koch Oil			12,439			10,812		1,627	
WEED CREEK—Black Hills Oil Marketers			1,229			1,229			
WELDON—Western Crude		2,213						2,213	
WHITLASH & WHITLASH WEST— Phillips Petr. Co.		9,353	3,313			12,666			
WINNETT JUNCTION—Truck			3,619			3,619			
WOLF SPRINGS—Perlen Corp			1,248					1,248	
WRIGHT CREEK—Western Crude			1,696					1,696	
WILDCAT WELLS		217	15,305			8,109	140	7,273	
TOTAL	1,262,998	2,372,621	463,563	1,903,132	3,346	847,145	2,331,018	1,584,730	1,236,076

[1] Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Pennel, Prne, Monarch, Repeat, Vide, Weldon, & Willis Creek South

[2] Little Wall Creek, & Willow Creek North

[3] Transferred to Wascana Pipeline Co.

[4] Benrud, Benrud East, Benrud Northeest, Big Bend, Culbertson, Froid, Poplar, Red Fox, Richie SW, Tule Creek, Tule Creek East, Tule Creek South, & Volt.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF AUGUST, 1977

**Includes Wyoming, N. Dakota & Canadian Oil

	Continental Oil Co.	Exxon Co.	Farmers Union	Kenco Ref., Inc.	Phillips Petr. Co.	Westco Ref. Co.	TOTAL
Big Wall	———	———	6,183	———	———	———	6,183
Cat Creek	2,475	———	6,686	———	———	———	9,161
Cut Bank & Others*	64,706	20,832	———	———	92,015	109,074	286,627
Elk Basin	19,417	24,260	407	———	———	———	44,084
Flat Coulee	———	———	———	———	———	10,997	10,997
Fred & George Creek	———	———	———	———	37,705	———	37,705
Ivanhoe	2,168	———	———	———	———	———	2,168
Jim Coulee	25,999	———	———	———	———	———	25,999
Keg Coulee	9,412	———	———	———	———	———	9,412
Kelley	———	2,306	———	———	———	———	2,306
Kevin-Sunburst	———	———	———	———	———	47,266	47,266
Lodge Grass	———	———	1,117	———	———	———	1,117
Mason Lake	324	———	———	———	———	———	324
Melstone	———	———	13,722	———	———	———	13,722
Mosser	543	———	———	———	———	———	543
Pondera	———	———	———	———	16,138	———	16,138
Ragged Point	8,146	———	———	———	———	———	8,146
Rosebud	3,459	———	———	———	———	———	3,459
Richey Southwest	———	———	———	2,076	———	———	2,076
Snyder	———	———	377	———	———	———	377
Sumatra, Stensvad & High Five	128,415	6,804	35,803	———	———	———	171,022
Tule Creek & Others	———	———	———	61,821	———	———	61,821
Vaux	———	———	———	10,812	———	———	10,812
Volt	———	———	———	11,185	———	———	11,185
Whitlash	———	———	———	———	———	12,666	12,666
Winnett Junction	———	———	3,619	———	———	———	3,619
Wolf Springs	———	1,248	———	———	———	———	1,248
TOTAL Montana Oil	265,064	55,450	67,914	85,894	145,858	180,003	800,183
N. Dakota Oil Imported	———	———	15,710	3,811	———	———	19,521
Canadian Oil Imported	833,452	443,626	339,048	———	50,547	———	1,666,673
Wyoming Oil Imported	330,717	843,727	772,387	———	———	———	1,946,831
TOTAL Montana, N. Dakota, Canadian & Wyoming Oil	1,429,233	1,342,803	1,195,059	89,705	196,405	180,003	4,433,208

*Cut Bank & Others includes various fields in Northwestern and Central Montana.

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	N. Dakota	TOTAL
Year, 1976	23,272	64,192	50,029	———	137,493
August, 1976	25,211	64,583	58,994	———	148,788
August, 1977	25,812	53,763	62,801	630	143,006

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canda	Wyoming	N. Dakota
Year, 1976	16.93%	46.69%	36.38%	———
August, 1976	16.94%	43.41%	39.65%	———
August, 1977	18.05%	37.60%	43.91%	0.44%

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year 1976	32,840,600	89,728	32,839,588	89,726
First Quarter, 1977	8,048,345	89,426	7,621,387	84,682
Second Quarter, 1977	8,198,925	90,098	8,205,476	90,170
July, 1977	2,733,943	88,192	2,725,246	87,911
August, 1977	2,837,874	91,544	2,838,299	91,558

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil In Storage**
December, 1976	304,047	1,335,168	1,134,168	2,773,383
March, 1977	328,392	1,068,110	1,390,454	2,786,956
June, 1977	310,968	1,319,341	1,412,890	3,043,199
July, 1977	316,806	1,262,999	1,200,420	2,780,225
August, 1977	312,307	1,236,076	1,118,333	2,666,716